Whirlpool

Service-Information

Kombination No Frost Stand-Kühlgerät

ARC 7550/IX

8501 755 11045
Letzte Änderung: 07.06.2008
Anlagedatum: 07.06.2008

Die vorliegenden Serviceunterlagen sind ausschließlich für technisch qualifizierte Fachkräfte bestimmt, welche mit den entsprechenden einschlägigen Sicherheitsvorschriften vertraut sind.
Änderungen vorbehalten

Ersatzteilliste

Pos-Nr.	12NC	Beschreibung
001 2	**4812 525 18014**	Fuehrung
002 0	**4812 464 18186**	Abdeckung
002 1	**4812 157 48001**	Distanzstueck
004 0	**4812 464 28054**	Traverse
011 0	**4812 462 18263**	Fuss verstellbar
012 1	**4812 528 78062**	Laufrolle
012 2	**4812 535 78074**	Drehstift
024 1	**4812 462 28773**	Abdeckung
040 0	**4812 417 19294**	Scharnier oben
040 2	**4812 417 19394**	Scharnier unten
040 3	**4812 417 19413**	Scharnier mitte
040 4	**4812 417 19414**	Scharnier mitte
040 7	**4812 417 78154**	Scharnierabde.
040 8	**4812 417 78153**	Scharnierabde.
045 2	**4812 226 08025**	Stift Scharnier
084 3	**4819 529 18093**	Gummipuffer
101 0	**4812 416 10048**	Tuer Gefrieren
104 0	**4812 416 10033**	Tuer Kuehlen
105 0	**4812 532 88056**	Buchse AL
105 1	**4812 532 88075**	Schutzhuelse
105 2	**4812 532 88073**	Schutzhuelse
110 0	**4812 498 18353**	Handgriff Tuer unten INOX
110 1	**4812 498 18352**	Handgriff Tuer oben INOX
111 7	**4812 459 18218**	Logo
152 0	**4812 418 28749**	Tuerfach oben bedruckt
152 1	**4812 418 28751**	Flaschenfach bedruckt
152 5	**4812 418 28748**	Trennteil Flaschen
153 4	**4812 418 28752**	Flaschenrechen
153 8	**4812 418 88754**	Tuerfach Gefrieren bedruckt
154 0	**4812 418 28753**	Tuerfach unten bedruckt
154 2	**4812 404 78552**	Buchse Tuerfach
154 4	**4812 526 48195**	Rundstab(Halt.) Kuehlen
154 5	**4812 526 48196**	Rundstab(Halt.) Gefrieren
155 0	**4812 418 28754**	Eierhalter
156 0	**4812 418 28471**	Schale Eiswuerf
190 1	**4819 466 98957**	Dichtung
191 0	**4812 466 68822**	Magnetdichtung grau
191 1	**4812 466 68823**	Magnetdichtung grau
201 0	**4812 462 28817**	Frontabdeckung
201 1	**4812 442 29286**	Umluftklappe
201 2	**4812 462 28691**	Abdeckung
201 4	**4819 462 79776**	Abdeckung
201 5	**4819 460 78208**	Folie
231 2	**4812 404 18527**	Traeger Schalterleiste Geh.
232 0	**4812 418 29739**	Verdunstersch.
240 5	**4812 418 89044**	Lueftungsg.oben Schublade
241 0	**4812 418 68334**	Schublade
241 2	**4812 418 68299**	Schublade
241 4	**4812 418 48689**	Korbabdeckung
241 5	**4812 418 48733**	Korbabdeckung bedruckt

Pos-Nr.	12NC	Beschreibung
242 0	4812 418 79989	Gemueseschale
242 2	4812 418 28907	Schublade
243 0	4812 535 78093	Stift
244 6	4812 418 28747	Trennteil Schublade
244 7	4812 262 78032	Frontklappe
246 0	4812 418 48742	Deckel Fach bedruckt
246 2	4812 418 48889	Schale
255 0	4812 450 88388	Glasplatte unten bedruckt
255 1	4812 450 88389	Glasplatte bedruckt
255 4	4812 450 88331	Glasplatte
256 0	4812 223 18438	Luftmengenregl.
256 1	4812 462 38253	Stift
257 7	4812 404 49656	Rastnase
257 8	4812 404 49657	Rastnase
261 0	4812 468 18336	Schiene rechts Rost
261 1	4812 468 18335	Schiene links Schublade
261 2	4812 462 38223	Schiene Ablage + Stift
264 0	4812 528 78073	Laufrolle hinten Schublade
264 1	4812 528 78074	Laufrolle vorn Schublade
301 0	4812 464 69176	Schalterleiste
301 1	4812 440 98137	Abdeckung regulator
301 4	4812 462 28756	Abdeckung
301 5	4812 462 28767	Abdeckung
332 0	4812 410 29225	Bedienungstaste rechts
332 1	4812 410 29226	Bedienungstaste links
356 0	4812 214 79738	Eingabe Electr. LCD
402 0	4812 360 58114	Kompressor NBT1114Y
402 1	4812 418 70024	Schale Kompr.
402 2	4819 360 48014	Ventil Klappe
420 0	4812 120 28035	Kondensator
440 0	4819 361 18428	Lueftermotor
440 5	4812 445 28036	Luftverteiler Filter Microban
442 3	4819 462 79775	Abdeckung
443 0	4819 515 48034	Luefterrad Ven.
451 0	4812 259 48194	Abtau-Heizung
451 1	4812 259 48205	Abtau-Heizung
480 0	4812 321 78255	Kabelbaum
480 1	4812 321 78254	Kabelbaum
491 3	4812 290 88084	Deckel Klemmk.
521 0	4812 214 79746	Kontrolleinheit
561 2	4812 462 28261	Abdeckung
562 0	4812 282 28281	Thermostat Bimetall
614 0	4812 280 68373	Monoblock
616 0	4812 281 18067	Reedkontakt Lampenschalter
651 0	4812 134 88074	Lampe
656 0	4812 460 98098	Deckel Lampe
691 4	4812 462 28774	Fuehlerabdeck.
691 7	4812 310 28289	Sensor Kit
740 0	4812 511 48424	Verfluessiger
740 1	4812 462 28448	Halter

Pos-Nr.	12NC	Beschreibung
743 0	4812 440 79195	Luftverteiler
743 1	4812 404 78757	Traeger
746 0	4812 511 38331	Verdampfer
762 0	4812 480 48172	Hygiene+ Filter (Whirlpool)
764 0	4819 526 48527	Filtertrockner
783 0	4819 526 43046	Rohr mit Ventil
965 0	4812 226 08033	Stecker
965 1	4812 226 08012	Stopfen AL
965 2	4812 226 08031	Stecker
965 7	4812 226 08011	Stecker AL
965 8	4812 462 28754	Stecker
965 9	4812 462 28753	Stecker

Technische Daten

Fabrik Nr.

.... CB 356 W

Abmessungen + Gewicht

Abmessungen Gerät
    Höhe .... 189.0 cm
    Breite .... 60.0 cm
    Tiefe .... 66.0 cm

Nennkapazität

Gesamt
    Brutto .... 331 l
    Netto .... 309 l
Kühlen
    Brutto .... 230 l
    Netto .... 230 l
Gefrieren
    Brutto .... 101 l
    Netto .... 79 l

Elektrische Basisdaten

Spannung .... 220 V - 240 V
Frequenz .... 50 Hz

Anschlusswert

in 24 Std. .... 1.01 kWh

Gefriervermögen

in 24 Std. .... 7 kg

Kompressor

Typ .... NBM 114 Y
Kälteleistung(CECOMAF) .... 125 W

Kältemittel

Typ .... R 600 a
Menge .... 39 g

Thermostat

.... A CONTROLE ELECTRONIQUE
Typ
    Elektronik

Explosionszeichnung
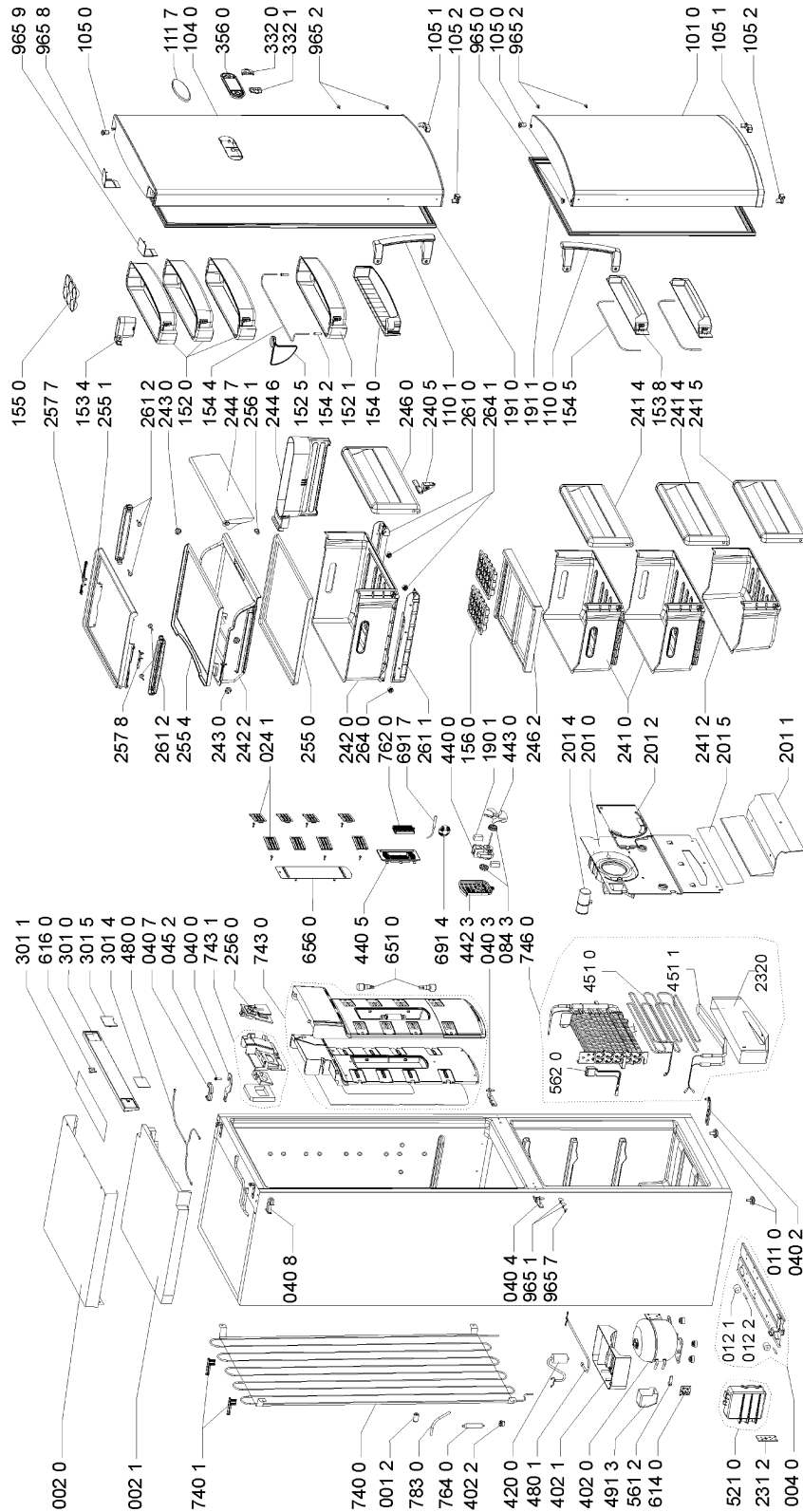
0000 001 54040

Stromlauf-Anschlussplan
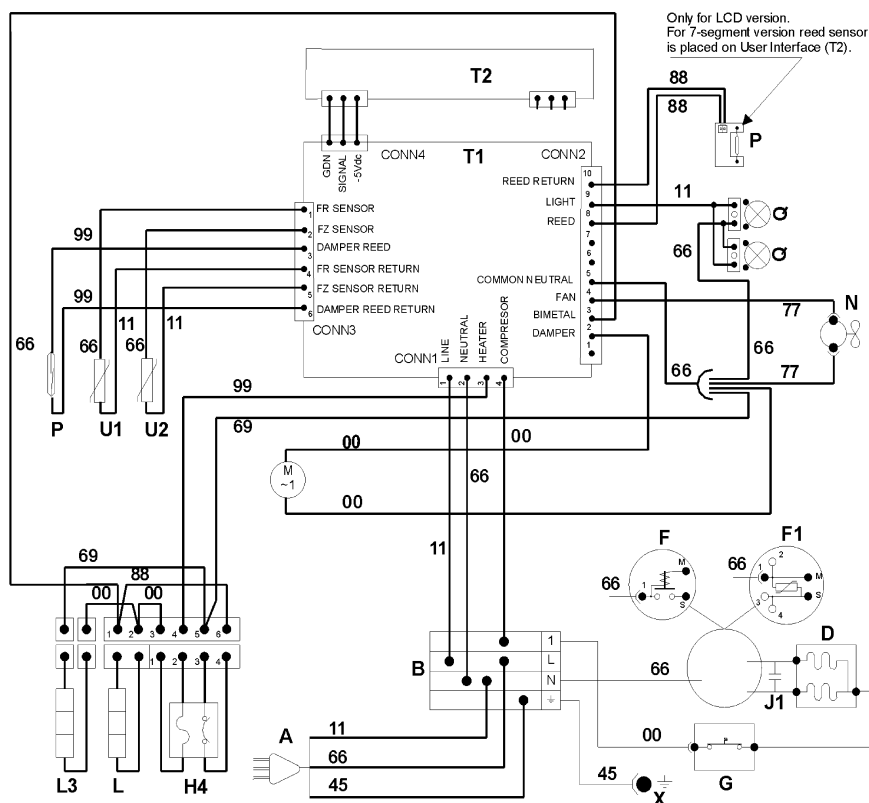
A	PLUG
B	MAIN CONNECTING BLOCK
D	REFRIG. COMPRESSOR
F	STARTING RELAY
F1	P.T.C.
G	OVERLOAD PROTECTOR
H4	BIMETAL + THERMOFUSE
J1	RUNNING CAPACITOR
L	DEFROST HEATER
L3	HEATER
N	FAN-MOTOR
Q	LAMP
P	REED SENSOR
T1	ELECTRONIC MODULE
T2	USER INTERFACE
U1	REFRIGERATOR SENSOR
U2	FREEZER SENSOR
X	COMPRESSOR EARTHING
00	BLACK
11	BROWN
22	RED
33	ORANGE
66	BLUE
77	VIOLET
88	GREY
99	WHITE
45	YELLOW-GREEN
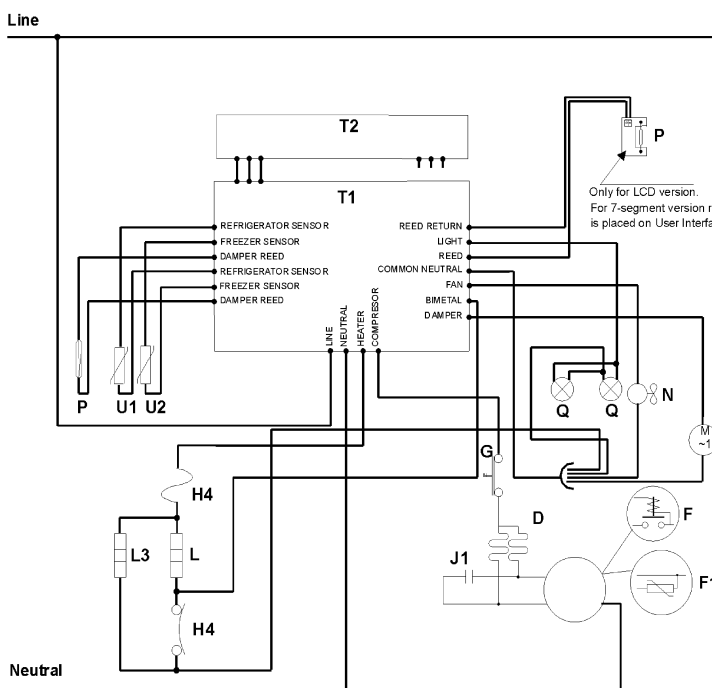
4619 523 50291

Text /Legende

NTC resistance vs. temperature table

T [°C]	R [Ω]	T [°C]	R [Ω]	T [°C]	R [Ω]	T [°C]	R [Ω]	T [°C]	R [Ω]
-40.0	90721	-26.0	37221	-12.0	16564	2.0	7911	16.0	4022
-39.5	87739	-25.5	36111	-11.5	16114	2.5	7714	16.5	3930
-39.0	84867	-25.0	35039	-11.0	15678	3.0	7523	17.0	3840
-38.5	82098	-24.5	34002	-10.5	15255	3.5	7337	17.5	3753
-38.0	79431	-24.0	32999	-10.0	14845	4.0	7156	18.0	3668
-37.5	76859	-23.5	32029	-9.5	14446	4.5	6980	18.5	3585
-37.0	74381	-23.0	31092	-9.0	14059	5.0	6809	19.0	3505
-36.5	71990	-22.5	30185	-8.5	13684	5.5	6643	19.5	3426
-36.0	69686	-22.0	29307	-8.0	13320	6.0	6481	20.0	3350
-35.5	67463	-21.5	28458	-7.5	12967	6.5	6324	20.5	3275
-35.0	65320	-21.0	27637	-7.0	12624	7.0	6171	21.0	3202
-34.5	63252	-20.5	26842	-6.5	12292	7.5	6022	21.5	3131
-34.0	61258	-20.0	26072	-6.0	11969	8.0	5877	22.0	3062
-33.5	59332	-19.5	25324	-5.5	11656	8.5	5737	22.5	2995
-33.0	57475	-19.0	24600	-5.0	11352	9.0	5600	23.0	2929
-32.5	55682	-18.5	23899	-4.5	11057	9.5	5467	23.5	2865
-32.0	53952	-18.0	23221	-4.0	10770	10.0	5337	24.0	2802
-31.5	52281	-17.5	22564	-3.5	10492	10.5	5210	24.5	2741
-31.0	50668	-17.0	21928	-3.0	10222	11.0	5087	25.0	2682
-30.5	49110	-16.5	21312	-2.5	9960	11.5	4967	25.5	<2624
-30.0	47606	-16.0	20715	-2.0	9705	12.0	4851		
-29.5	46145	-15.5	20137	-1.5	9458	12.5	4737		
-29.0	44735	-15.0	19577	-1.0	9218	13.0	4626		
-28.5	43372	-14.5	19034	-0.5	8985	13.5	4519		
-28.0	42056	-14.0	18509	0.0	8758	14.0	4414		
-27.5	40784	-13.5	18000	0.5	8537	14.5	4312		
-27.0	39556	-13.0	17506	1.0	8322	15.0	4213		
-26.5	38368	-12.5	17028	1.5	8114	15.5	4116		

NOTE:
Sensor is considered in short circuit if its value is lower than 1000 Ohm;
Sensor is considered an open circuit if its value is higher than 90k Ohm.

4812 900 08009

Text /Legende

Service test routine .

The purpose of this routine is to verify if LCD icons/segments, buzzer, buttons, backlight are working properly and to verify the loads/feedback.

This routine must be accessed only within 8 minutes after the appliance plug-in. To engage this routine the Service shall follow the steps below:
1) Power Off the Product;
2) Power Up the Product;
3) Within 8 min. open and close fridge door;
4) Press and hold 'OK' Button;
5) Press and hold '+' Button;
6) Press and hold '–' Button;
7) Press and hold 'Menu' Button;
8) Release all buttons after a buzzer signal (approx. 3s);

With 5 buttons (without "OK") it is possible to test the LCD icons, buzzer and the backlight in the following way:
- Pushing the STAND-BY button of upper compartment all the icons of the upper row of the glass are switched ON and OFF alternately;
- Pushing the MENU button all the icons of the middle row of the glass are switched ON and OFF alternately;
- Pushing the STAND-BY button of lower compartment all the icons of the lower row of the glass are switched ON and OFF alternately;
- Pushing the "+" (plus) button the Buzzer is switched ON and OFF alternately;
- Pushing the "-" (minus) button the LCD Backlight is switched ON and OFF alternately;

Veryfying the loads
On the fridge row the current tests' step is displayed. Each step can be skipped by pressing "OK" button

STEP 5: COMPRESSOR TEST
During this step compressor shall be *ON*.

STEP 4: DAMPER TEST
Turn *ON* the damper.
While *ON* - damper motor is continuously driven; when the damper feedback detects OPENED position the inside lamp is switched *ON*; when damper feedback detects CLOSED position the lamp is switched *OFF*. OPEN and CLOSE state lasts for about 15 seconds each.
After finishing this step damper shall go to OPEN position.

STEP 3: FAN TEST
During this step fan shall be *ON*.

STEP 2: DOOR SWITCH TEST
When door switch (reed sensor) is OPENED the lamp is switched *ON*, otherwise it is switched *OFF* (like during normal work of appliance).

STEP 1: HEATER AND BIMETAL TEST
During this step heaters shall be *ON*.
When Bimetal is OPENED, internal light is *ON*.
When Bimetal is CLOSED, internal light is *OFF*.
NOTE: due to safety reasons when the heaters are *ON*, a timer shall be started. After time longer than 2 mins., heaters shall be disconnected automatically.

STEP 0: TEST PROGRAM END
Test Program is finished and all the loads are switched *OFF*. The appliance shall go to normal operation.

4812 900 08011